

direction when said substrate is moved towards a contact surface so that said enlarged ends are pressed against said contact surface.

In claim 49, line 5 before " ; " add

in a substantially perpendicular direction with respect to said surface.

In claim 49, second last line delete "tip"; replace therefor --end--.

In claim 49, second last line, delete "surface"; replace therefor --side--.

44. (Twice amended). A structure comprising:

a substrate have a surface;

a plurality of electrically conductive members disposed on said surface;

each has
said electrically conductive members have an enlarged base, an elongated electrically

conductive member in contact with said enlarged base and having an end extending away from said base, in a substantially perpendicular direction with respect to said surface said end being enlarged:

said end has a first coating selected from the group consisting of Cr, Ti, TiN, Ni,

Zr, ZrN or Co and a second coating over said first coating selected from the group consisting of Pt, Ir, Rh, Ru and Pd[.]:

said first layer [layer] coating inhibits oxidation and diffusion at temperatures up to

200° C; and said second [layer] coating prevents out diffusion of said first layer;

F said electrically conductive members have an enlarged base, an elongated electrically conductive member in contact with said base and extending away from said base in a substantially perpendicular direction with said surface.

F said enlarged base is fixedly attached ^{each} on of said electrical contact locations;

a sheet of material having a plurality of openings extending from a first side to a second side of said sheet, said sheet being disposed for alignment with said plurality of electrically conductive members;

E4 each of said plurality of openings being smaller than said base so that said sheet is disposed away from and not in contact with said surface;

said sheet is disposed over said plurality of electrically conductive members with each of said elongated electrically conductive member extending through said plurality of openings;

wherein said elongated electrically conductive member has a first end disposed on contact with said enlarged base and a second end disposed in contact with an enlarged tip;

said sheet is disposed between said enlarged base and said enlarged tip so that said first side of said sheet is disposed against said enlarged base;

said enlarged tip is pressed against said second side of said sheet to have a stud shape so as to fixedly hold said sheet between said enlarged tip and said bases;